09595520 050200

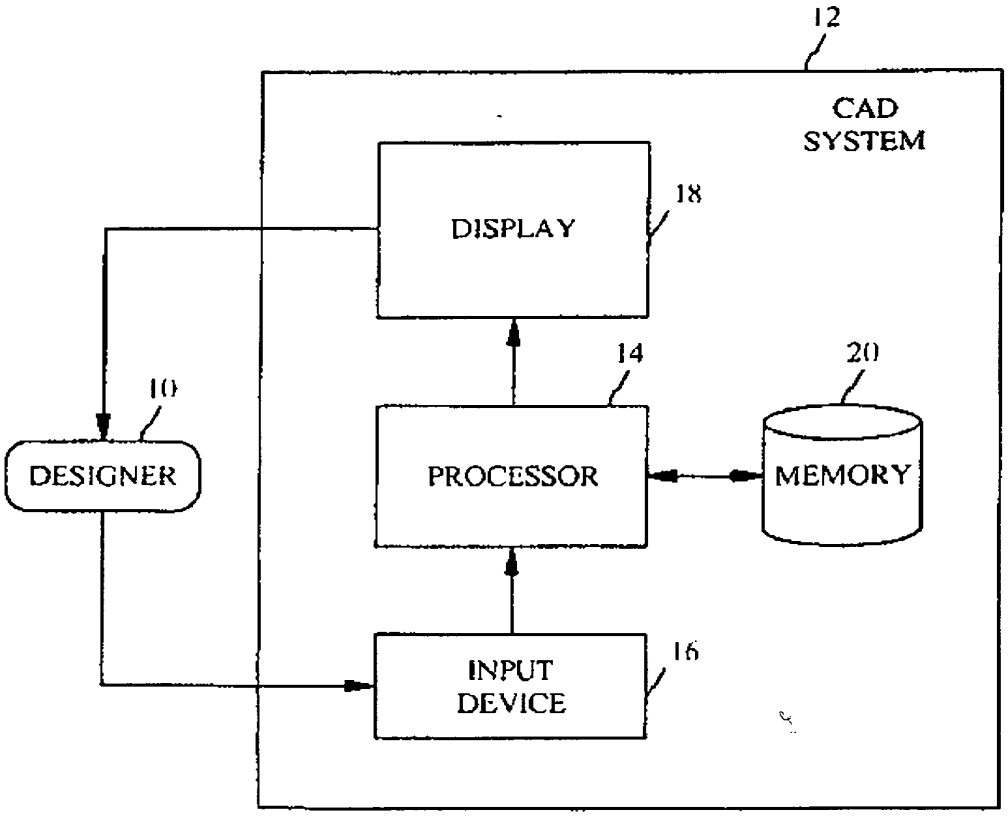


FIG. 1

09525950

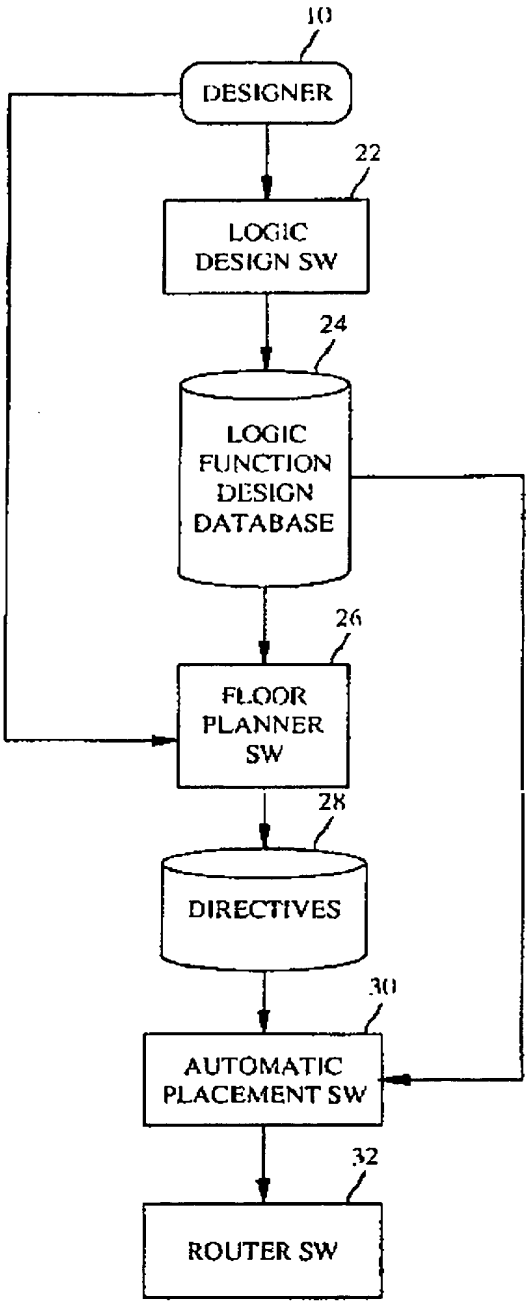


FIG 2

05/05/2006 - 05:56:56

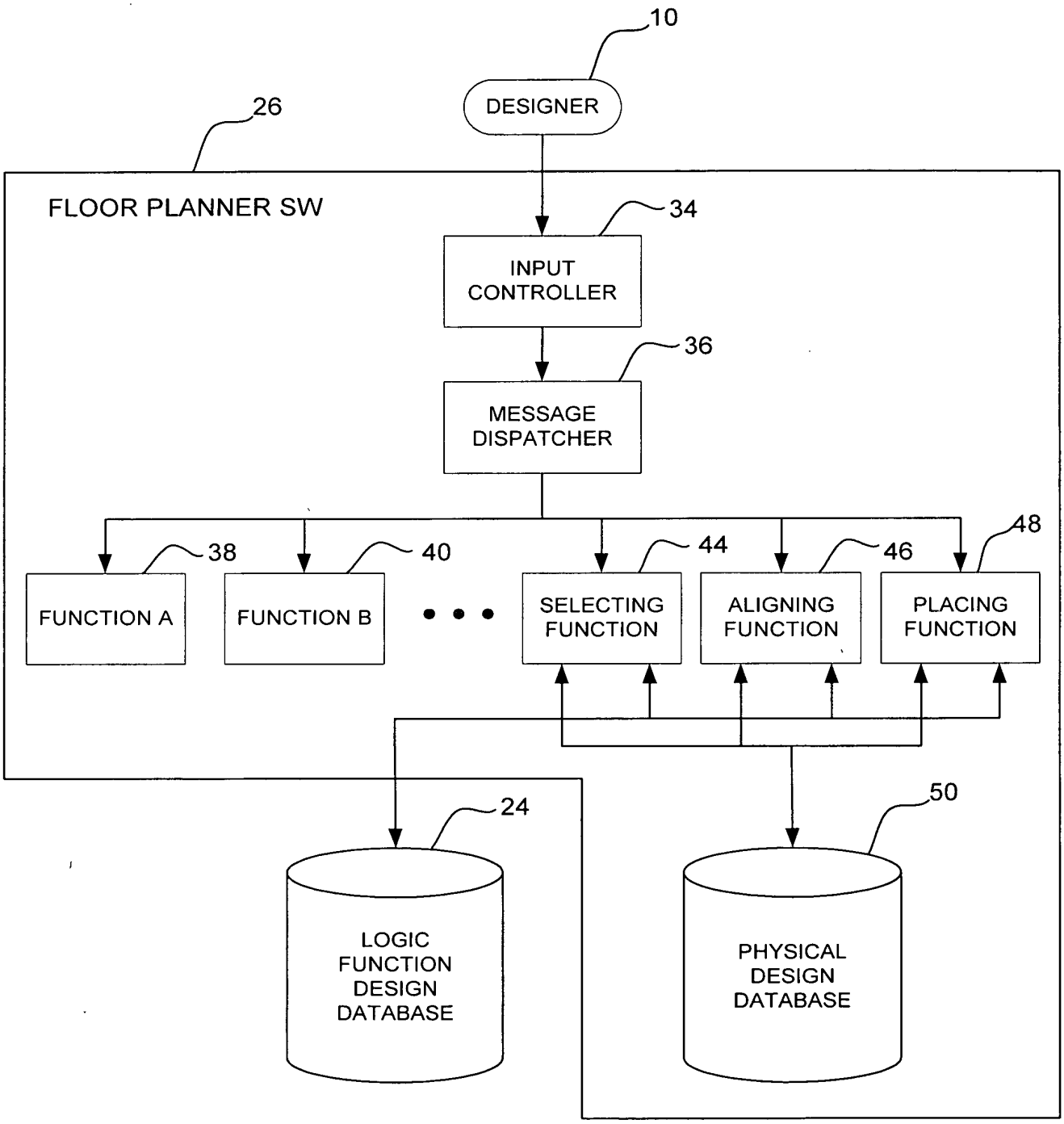


FIG. 3

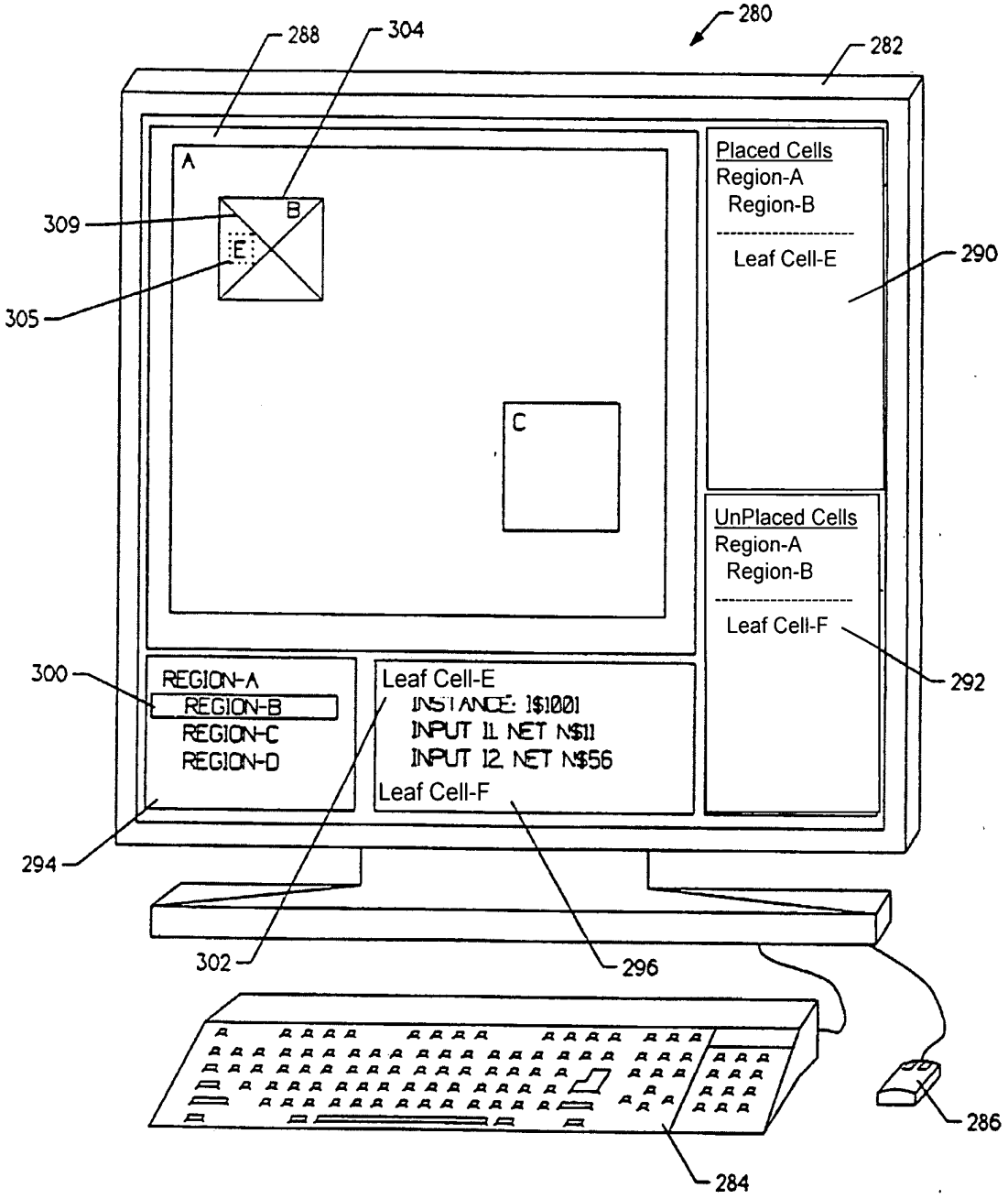

280
288
304
282
A
B
E
309
305
C
Placed Cells
Region-A
Region-B
Leaf Cell-E
290
UnPlaced Cells
Region-A
Region-B
Leaf Cell-F
292
300
REGION-A
REGION-B
REGION-C
REGION-D
Leaf Cell-E
INSTANCE: I$1001
INPUT I1 NET N$11
INPUT I2 NET N$56
Leaf Cell-F
294
302
296
286
284

FIG. 4

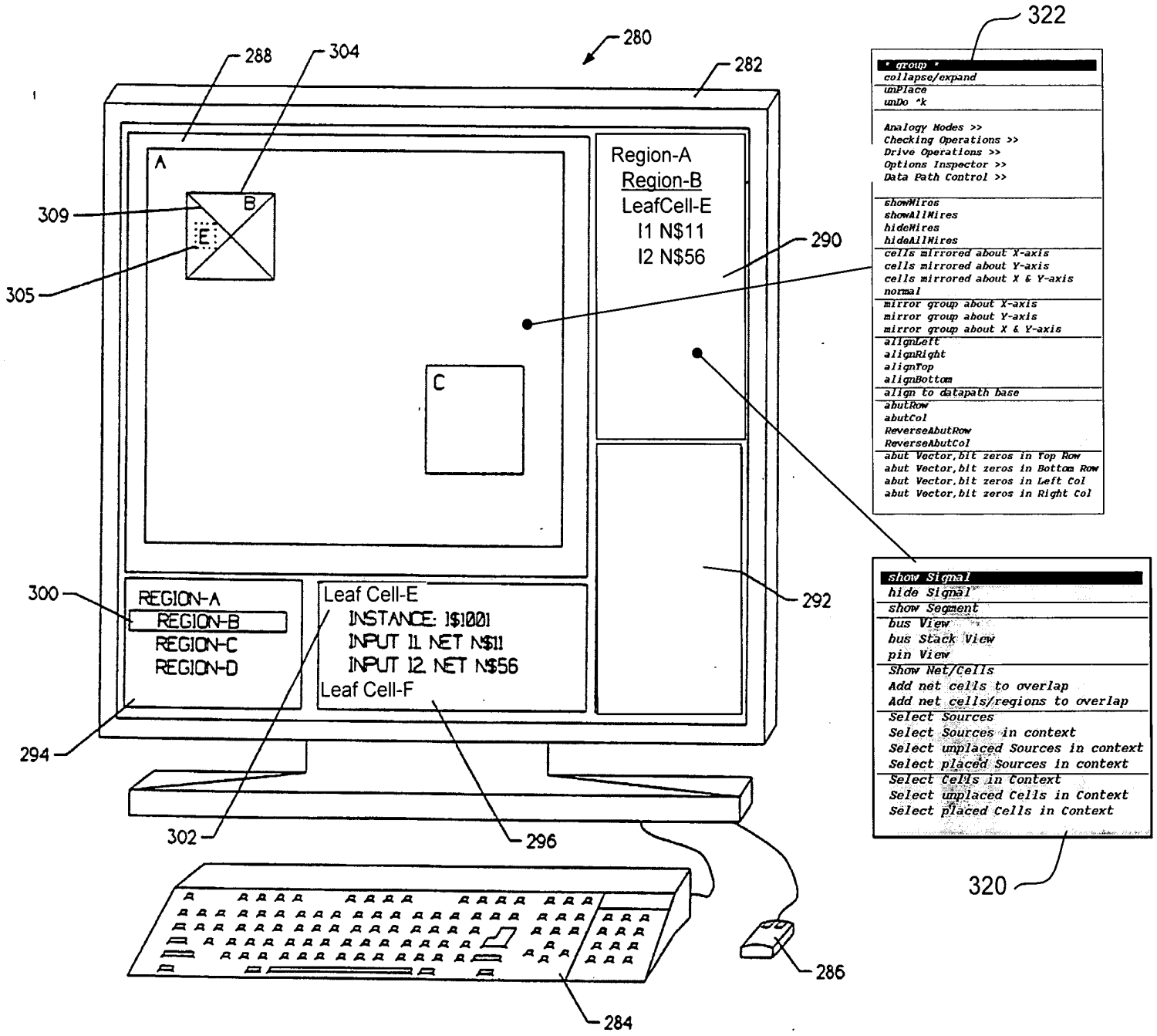

280
288
304
282
322
309
305
290
292
300
294
302
296
286
284
320
A
B
E
C
Region-A
Region-B
LeafCell-E
I1 N$11
I2 N$56
REGION-A
REGION-B
REGION-C
REGION-D
Leaf Cell-E
INSTANCE: I$1001
INPUT I1 NET N$11
INPUT I2 NET N$56
Leaf Cell-F
* group *
collapse/expand
unPlace
unDo ^k
Analogy Modes >>
Checking Operations >>
Drive Operations >>
Options Inspector >>
Data Path Control >>
showWires
showAllWires
hideWires
hideAllWires
cells mirrored about X-axis
cells mirrored about Y-axis
cells mirrored about X & Y-axis
normal
mirror group about X-axis
mirror group about Y-axis
mirror group about X & Y-axis
alignLeft
alignRight
alignTop
alignBottom
align to datapath base
abutRow
abutCol
ReverseAbutRow
ReverseAbutCol
abut Vector,bit zeros in Top Row
abut Vector,bit zeros in Bottom Row
abut Vector,bit zeros in Left Col
abut Vector,bit zeros in Right Col
show Signal
hide Signal
show Segment
bus View
bus Stack View
pin View
Show Net/Cells
Add net cells to overlap
Add net cells/regions to overlap
Select Sources
Select Sources in context
Select unplaced Sources in context
Select placed Sources in context
Select Cells in Context
Select unplaced Cells in Context
Select placed Cells in Context

FIG. 5

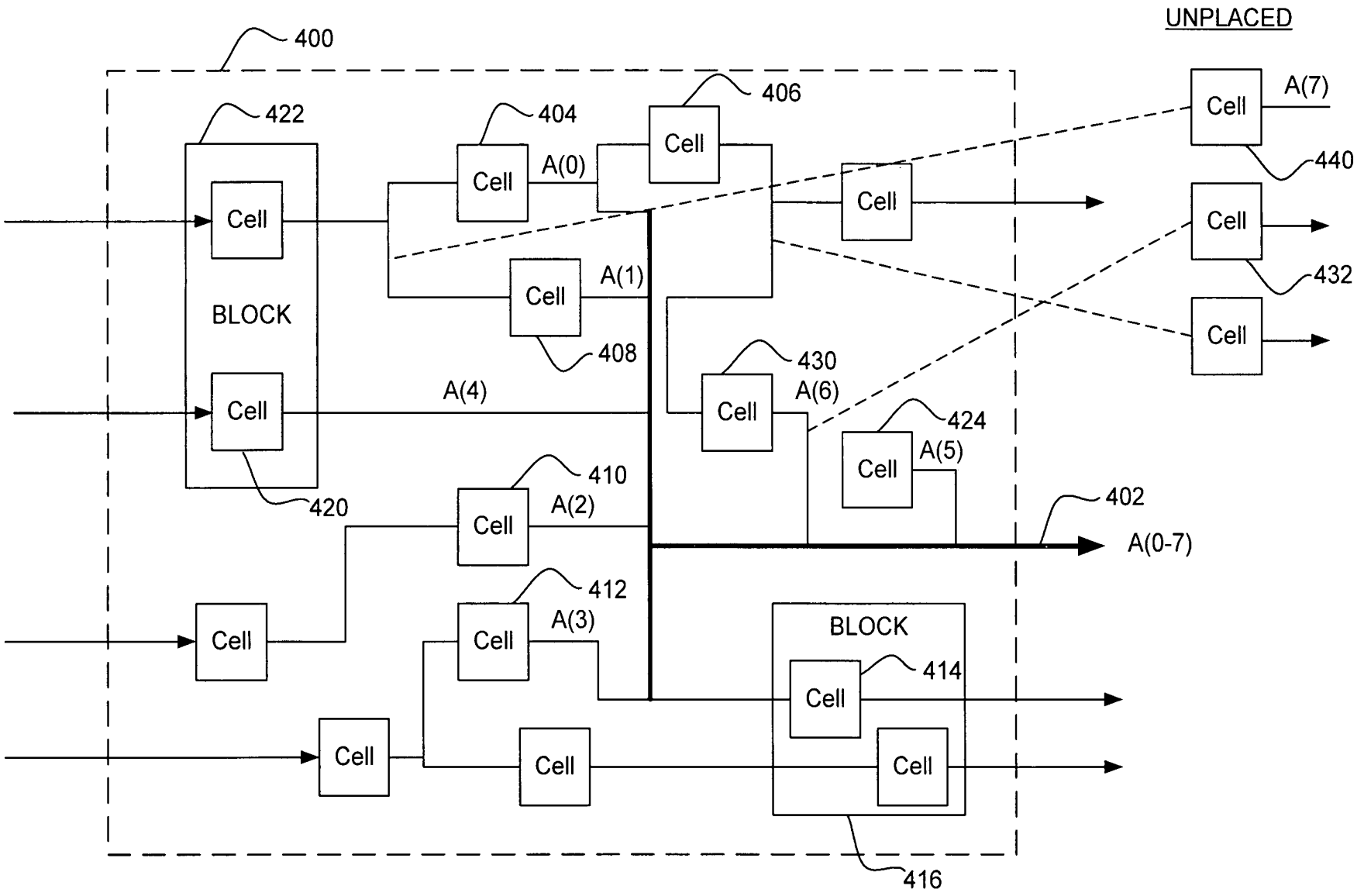

400
UNPLACED
422
404
406
Cell
A(0)
A(7)
440
BLOCK
A(1)
408
432
A(4)
430
A(6)
424
A(5)
410
A(2)
420
402
A(0-7)
412
A(3)
BLOCK
414
416

FIG. 6

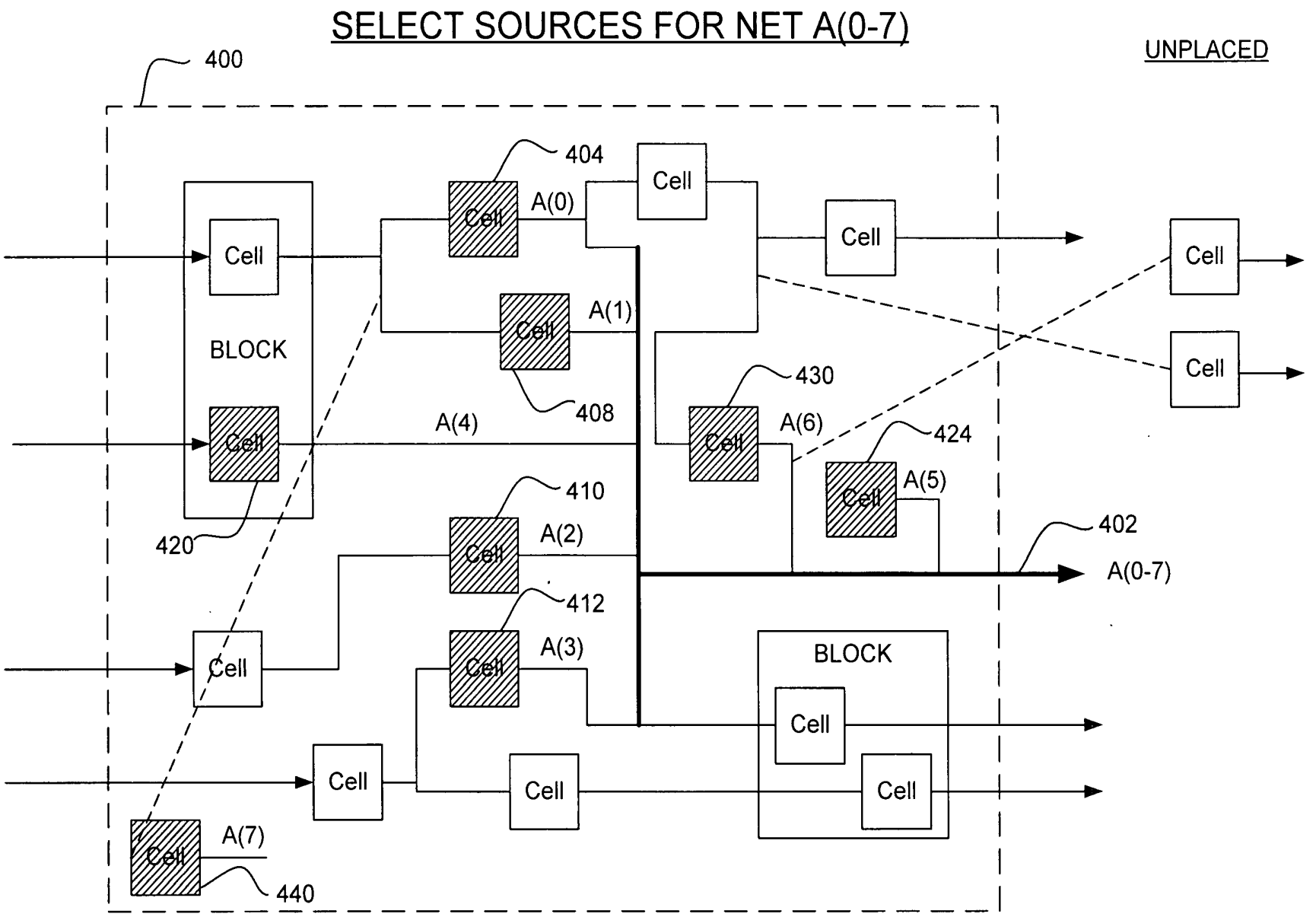

SELECT SOURCES FOR NET A(0-7)
UNPLACED
400
404
A(0)
Cell
Cell
Cell
Cell
Cell
Cell
A(1)
Cell
408
BLOCK
430
A(6)
Cell
424
A(5)
Cell
A(4)
Cell
420
410
A(2)
Cell
402
A(0-7)
412
A(3)
Cell
BLOCK
Cell
Cell
Cell
Cell
Cell
A(7)
Cell
440

FIG. 7

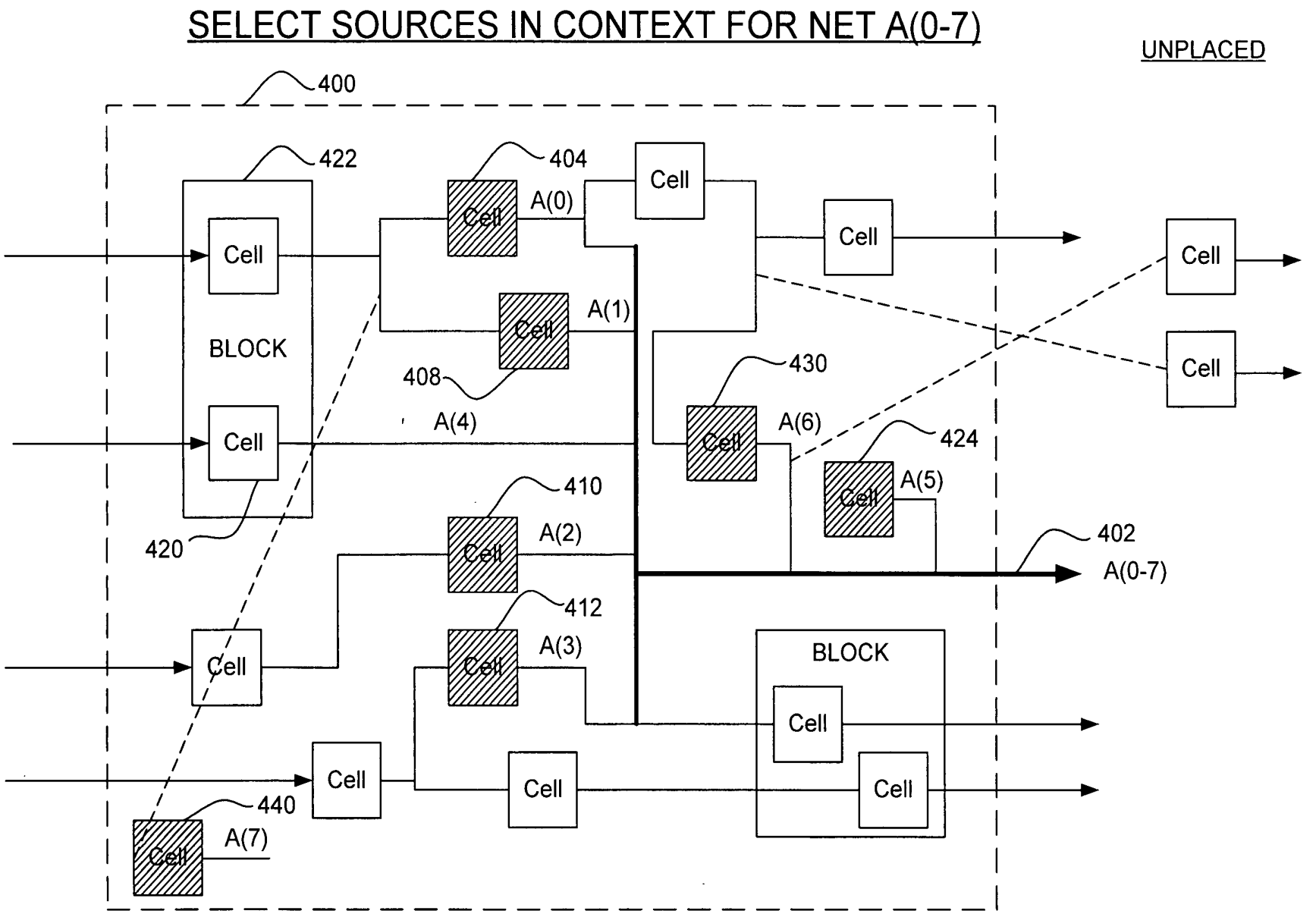

SELECT SOURCES IN CONTEXT FOR NET A(0-7)
UNPLACED
400
422
404
A(0)
Cell
BLOCK
A(1)
408
A(4)
430
A(6)
424
A(5)
410
A(2)
420
402
A(0-7)
412
A(3)
BLOCK
440
A(7)

FIG. 8

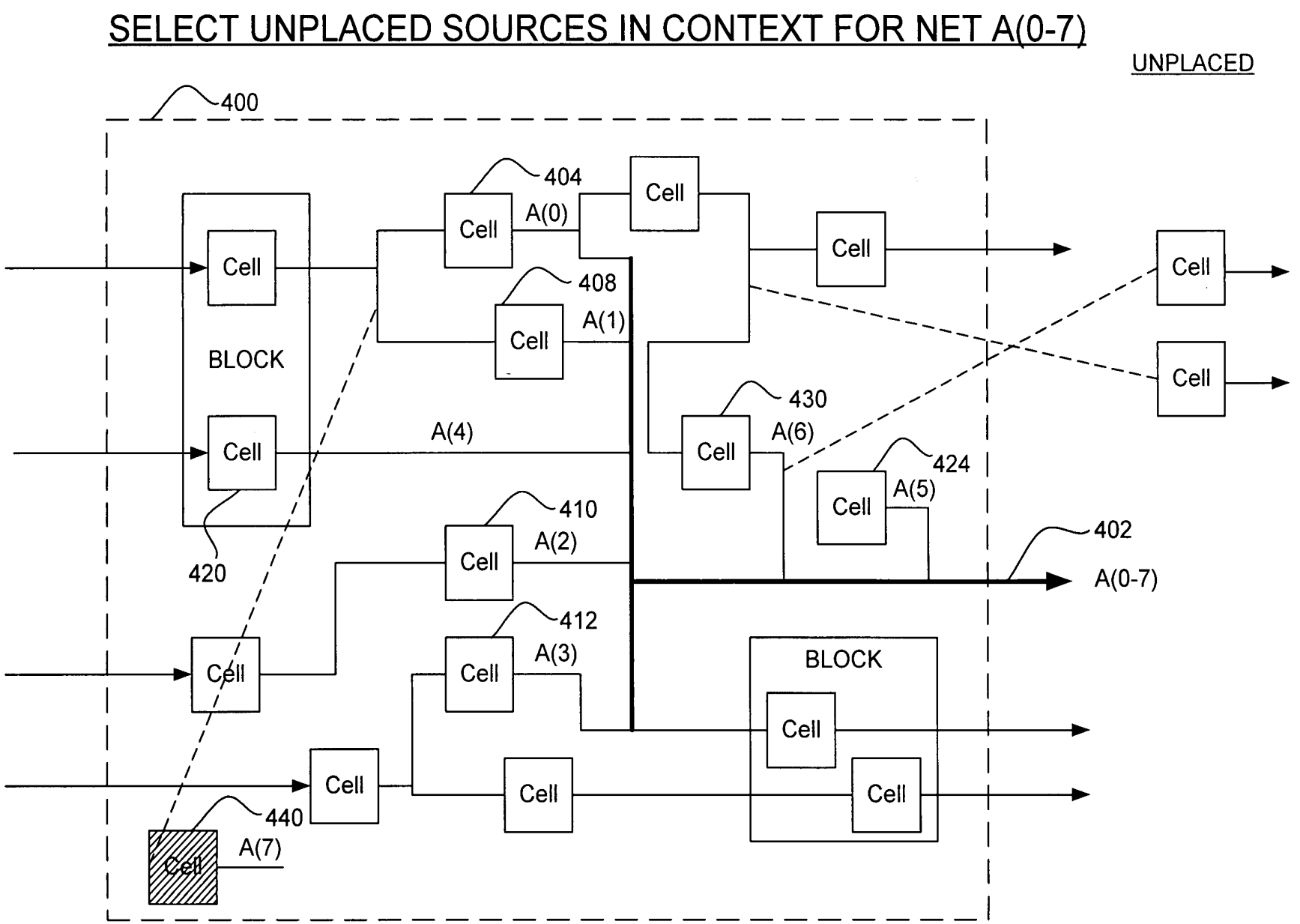

SELECT UNPLACED SOURCES IN CONTEXT FOR NET A(0-7)
UNPLACED
400
404
A(0)
408
A(1)
430
A(6)
424
A(5)
410
A(2)
412
A(3)
440
A(7)
420
A(4)
402
A(0-7)
BLOCK
BLOCK
Cell

FIG. 9

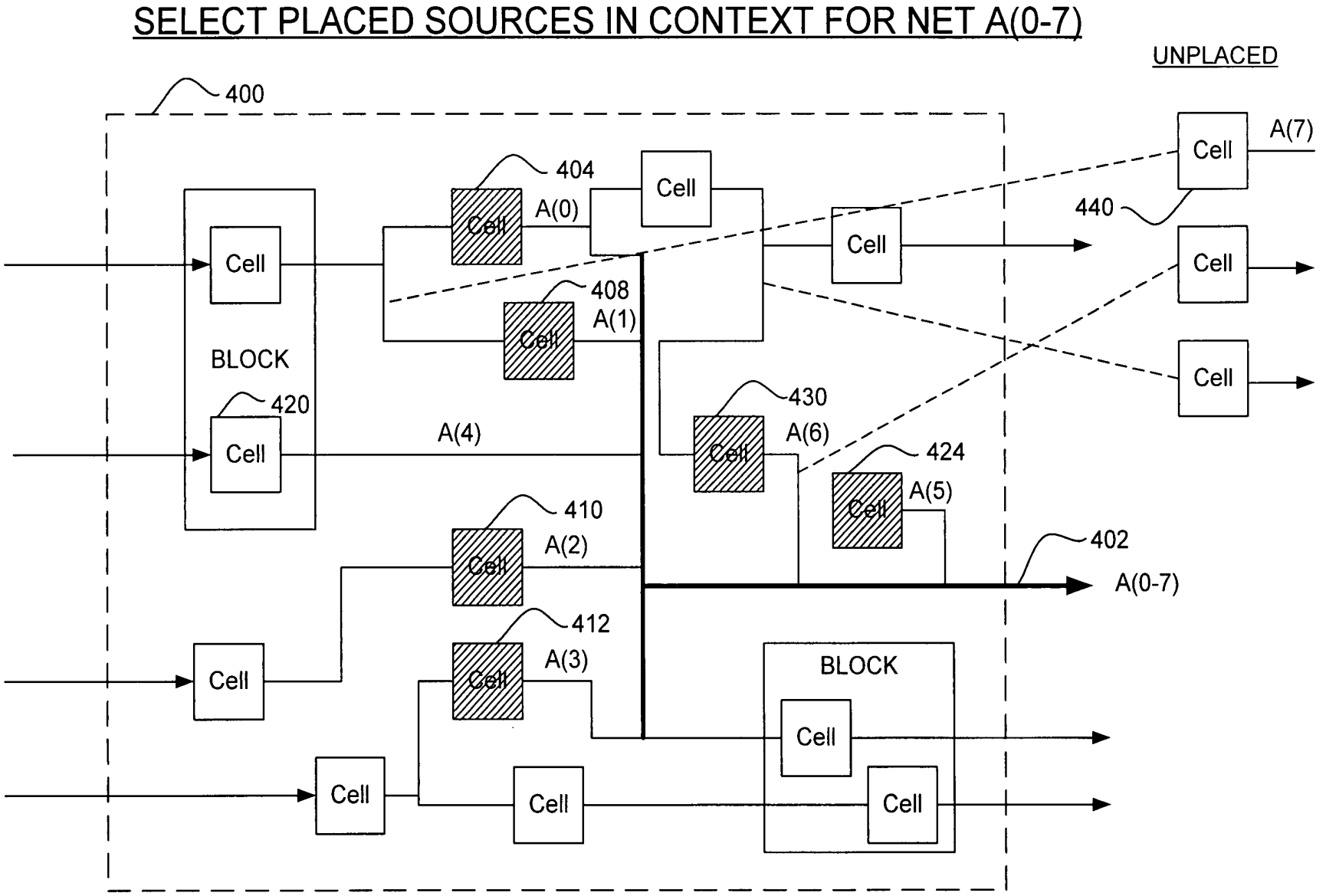

SELECT PLACED SOURCES IN CONTEXT FOR NET A(0-7)
UNPLACED
400
404
A(0)
Cell
408
A(1)
BLOCK
420
A(4)
430
A(6)
424
A(5)
410
A(2)
412
A(3)
402
A(0-7)
440
A(7)
BLOCK

FIG. 10

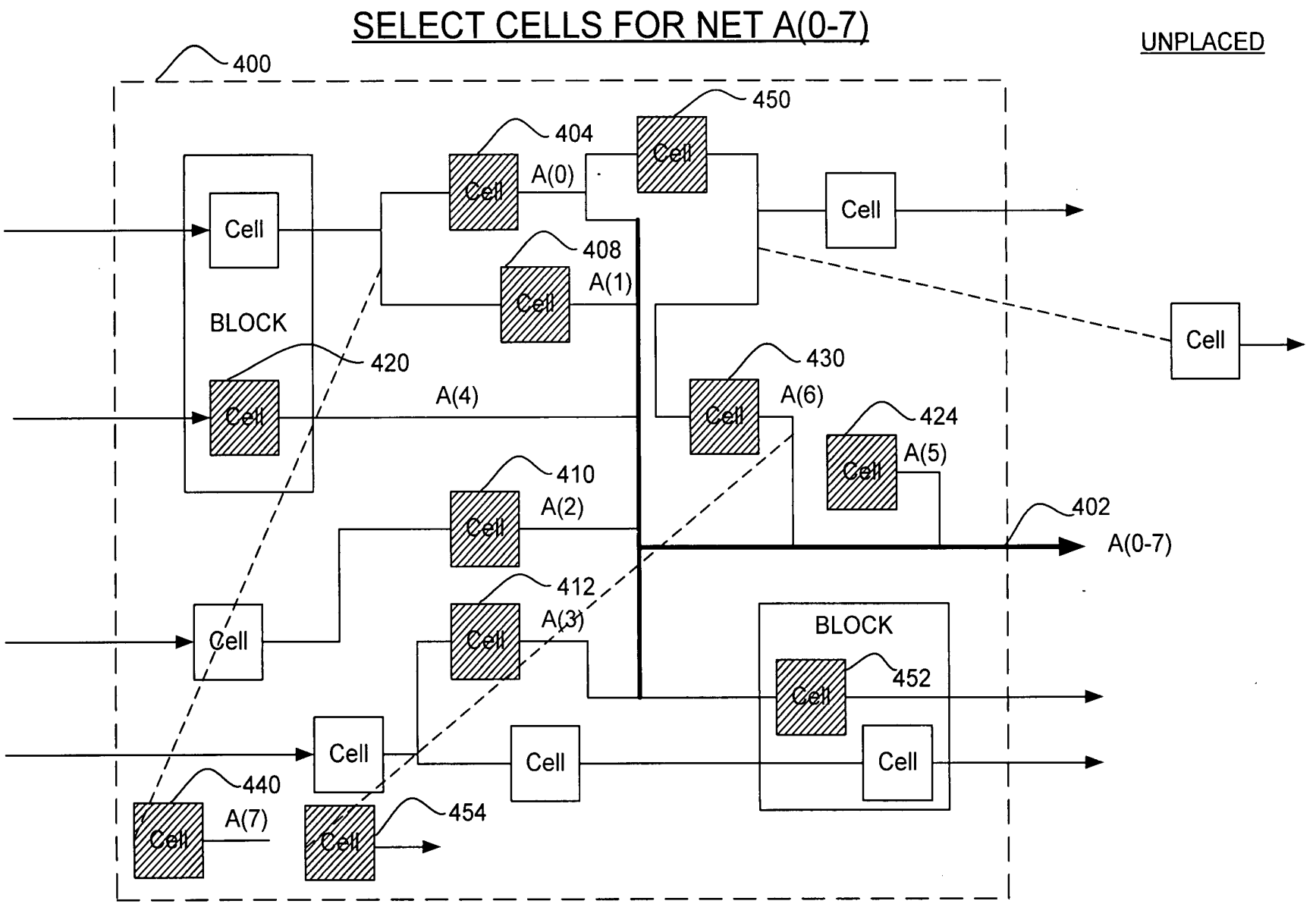

SELECT CELLS FOR NET A(0-7)
UNPLACED
400
450
404
A(0)
Cell
Cell
Cell
Cell
408
A(1)
Cell
BLOCK
420
Cell
A(4)
430
Cell
A(6)
424
Cell
A(5)
Cell
410
A(2)
Cell
402
A(0-7)
412
A(3)
Cell
Cell
BLOCK
452
Cell
Cell
Cell
Cell
440
A(7)
Cell
454
Cell

FIG. 11

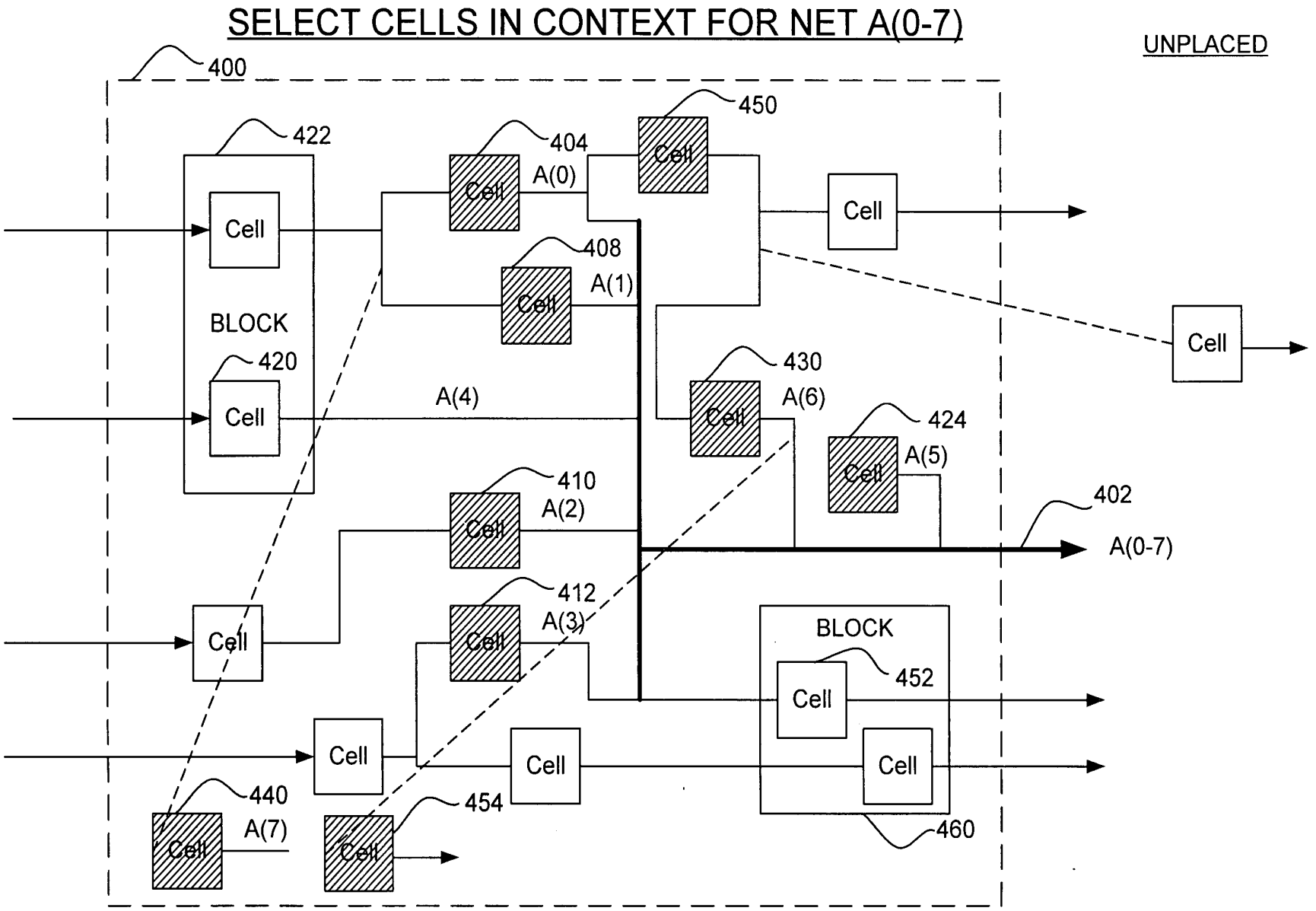

SELECT CELLS IN CONTEXT FOR NET A(0-7)
UNPLACED
400
422
404
A(0)
450
Cell
408
A(1)
BLOCK
420
A(4)
430
A(6)
424
A(5)
410
A(2)
402
A(0-7)
412
A(3)
BLOCK
452
440
A(7)
454
460

FIG. 12

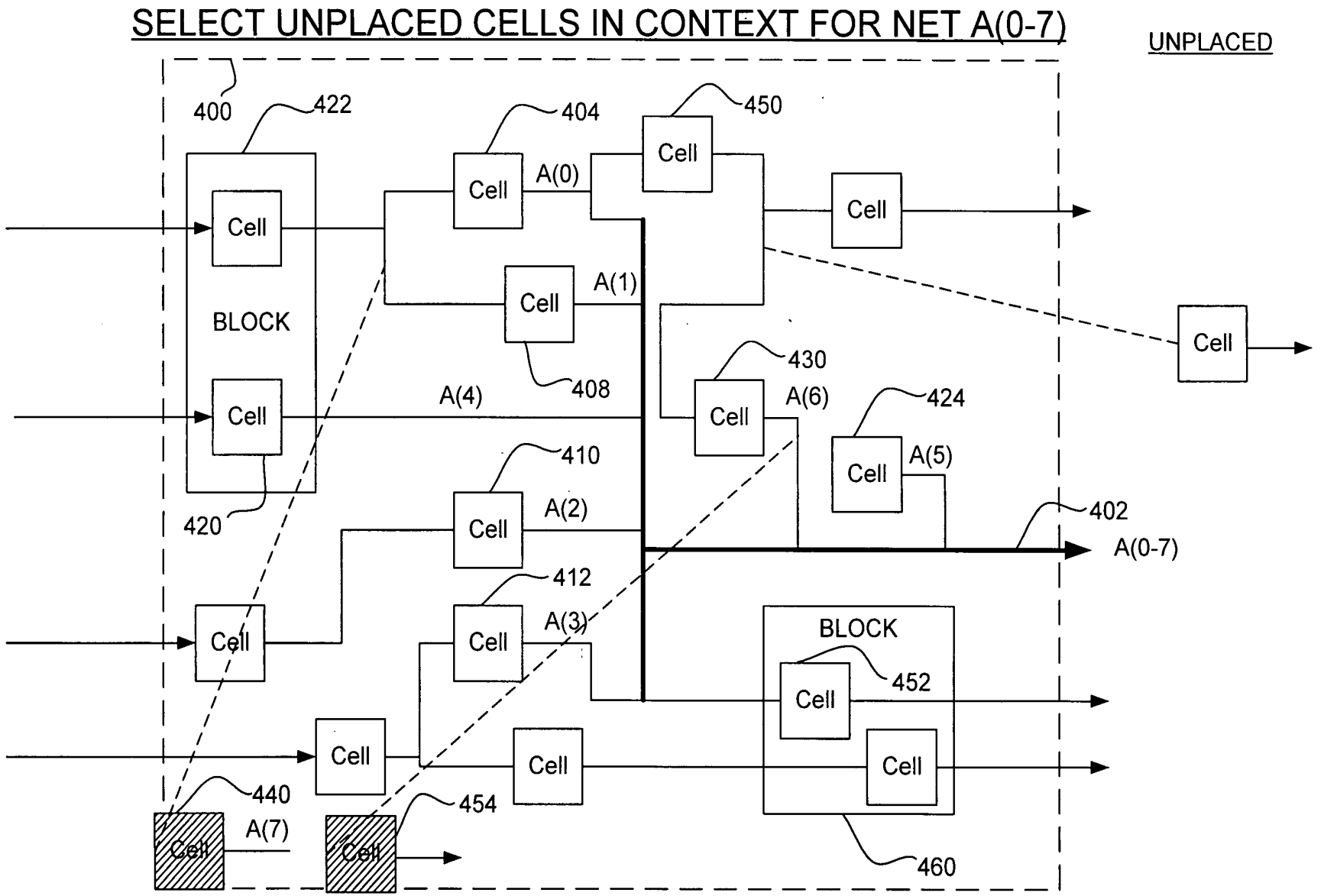

SELECT UNPLACED CELLS IN CONTEXT FOR NET A(0-7)
UNPLACED
400
422
404
450
Cell
A(0)
Cell
Cell
Cell
A(1)
BLOCK
Cell
408
430
A(4)
Cell
A(6)
424
Cell
A(5)
410
420
Cell
A(2)
402
A(0-7)
412
Cell
Cell
A(3)
BLOCK
452
Cell
Cell
Cell
Cell
440
454
A(7)
Cell
Cell
460

FIG. 13

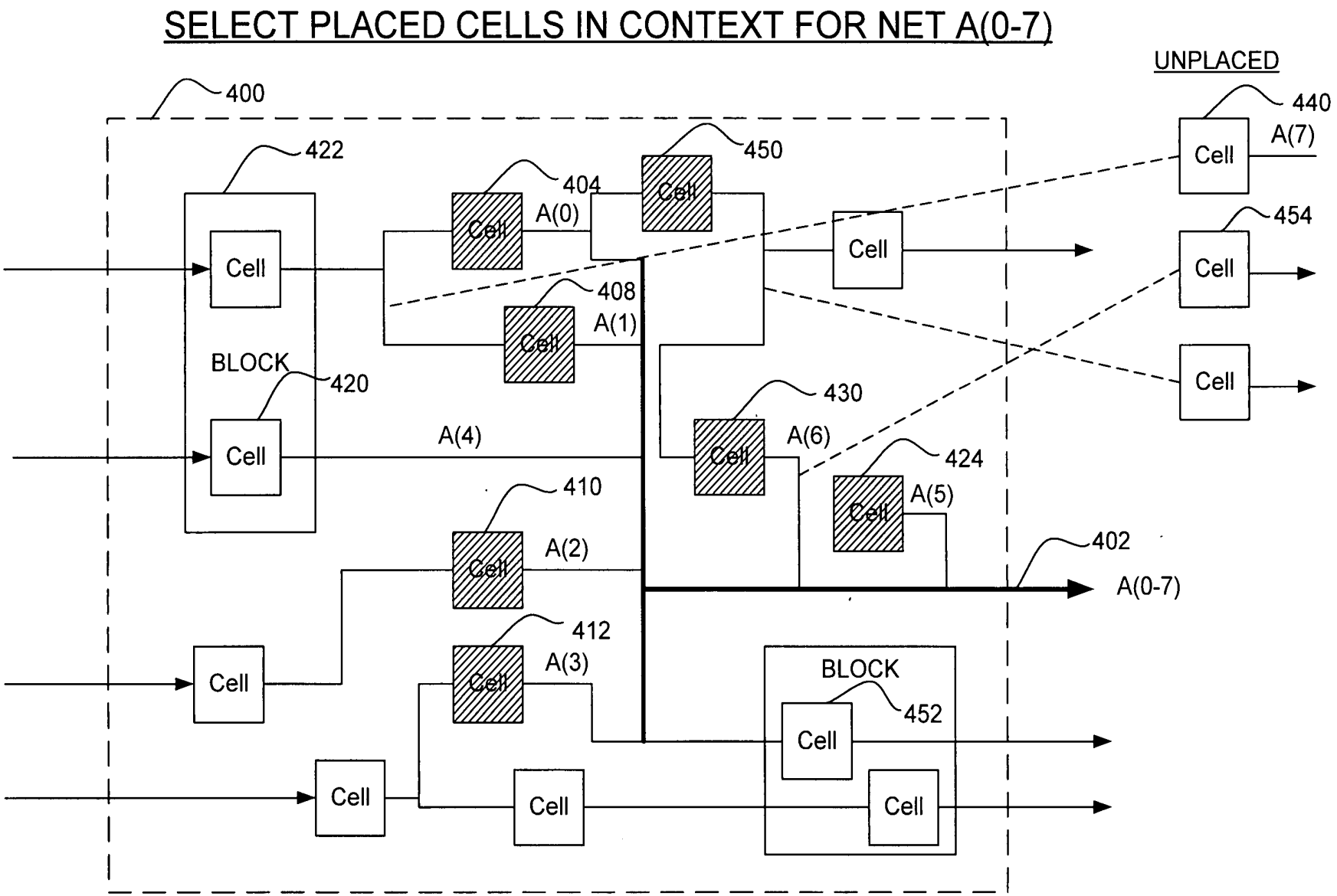

SELECT PLACED CELLS IN CONTEXT FOR NET A(0-7)
UNPLACED
400
422
404
A(0)
450
440
A(7)
Cell
454
408
A(1)
BLOCK
420
430
A(6)
A(4)
424
A(5)
410
A(2)
402
A(0-7)
412
A(3)
BLOCK
452

FIG. 14

SELECT SOURCES IN CONTEXT FOR NET A(0-7) - THEN EXECUTE ABUT VECTOR WITH BIT ZEROS IN THE TOP ROW

UNPLACED

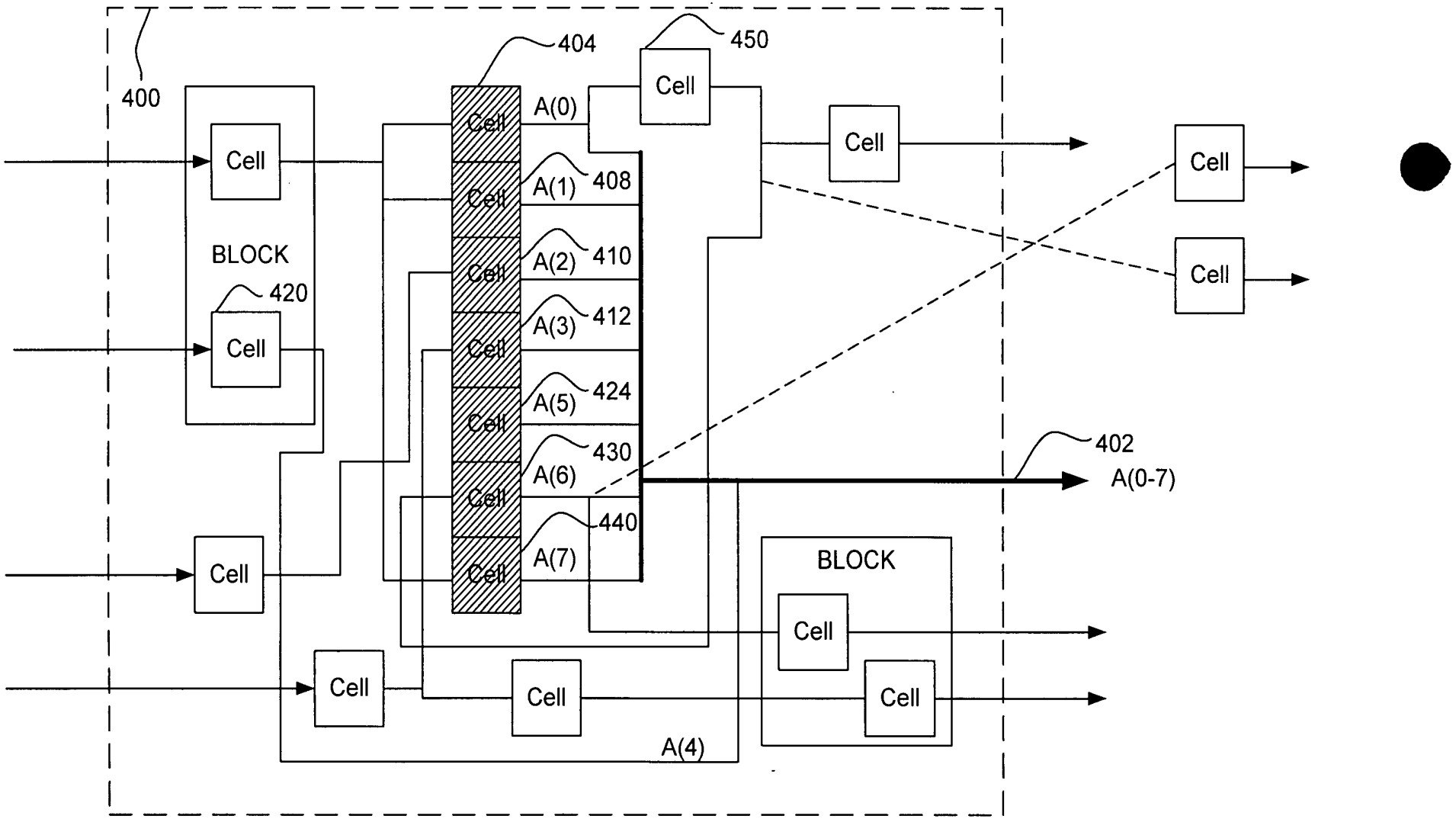


FIG. 15

SELECT CELLS FOR NET A(0-7)

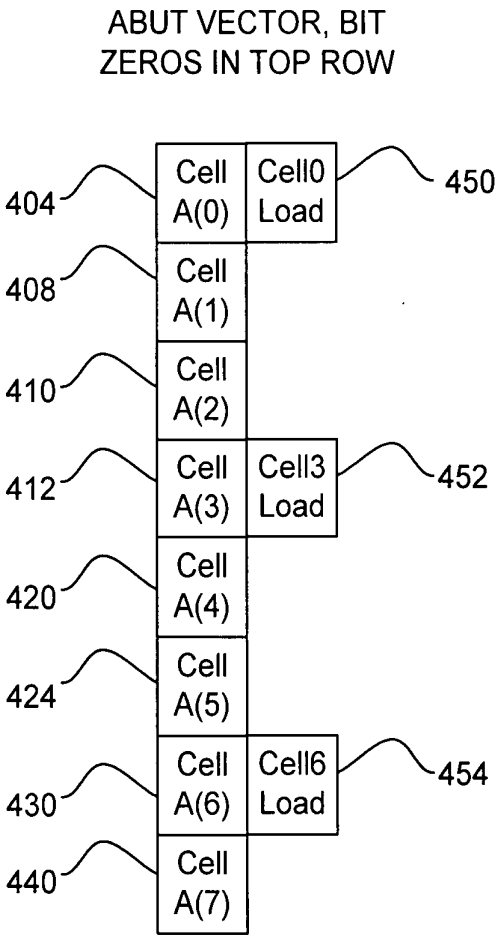


FIG. 16

SELECT CELLS FOR NET A(0-7)

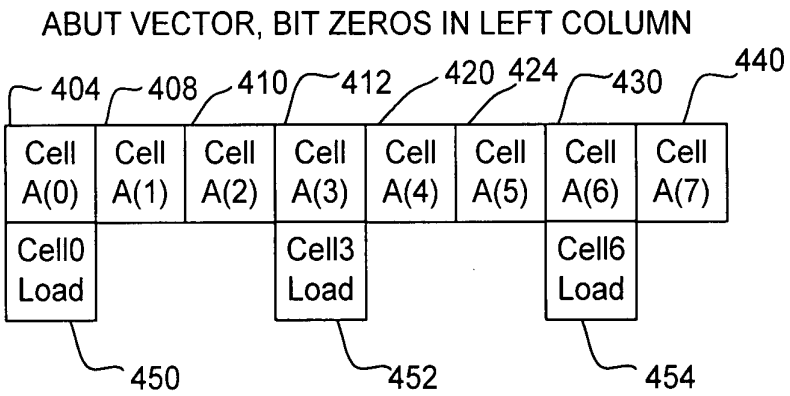


FIG. 17

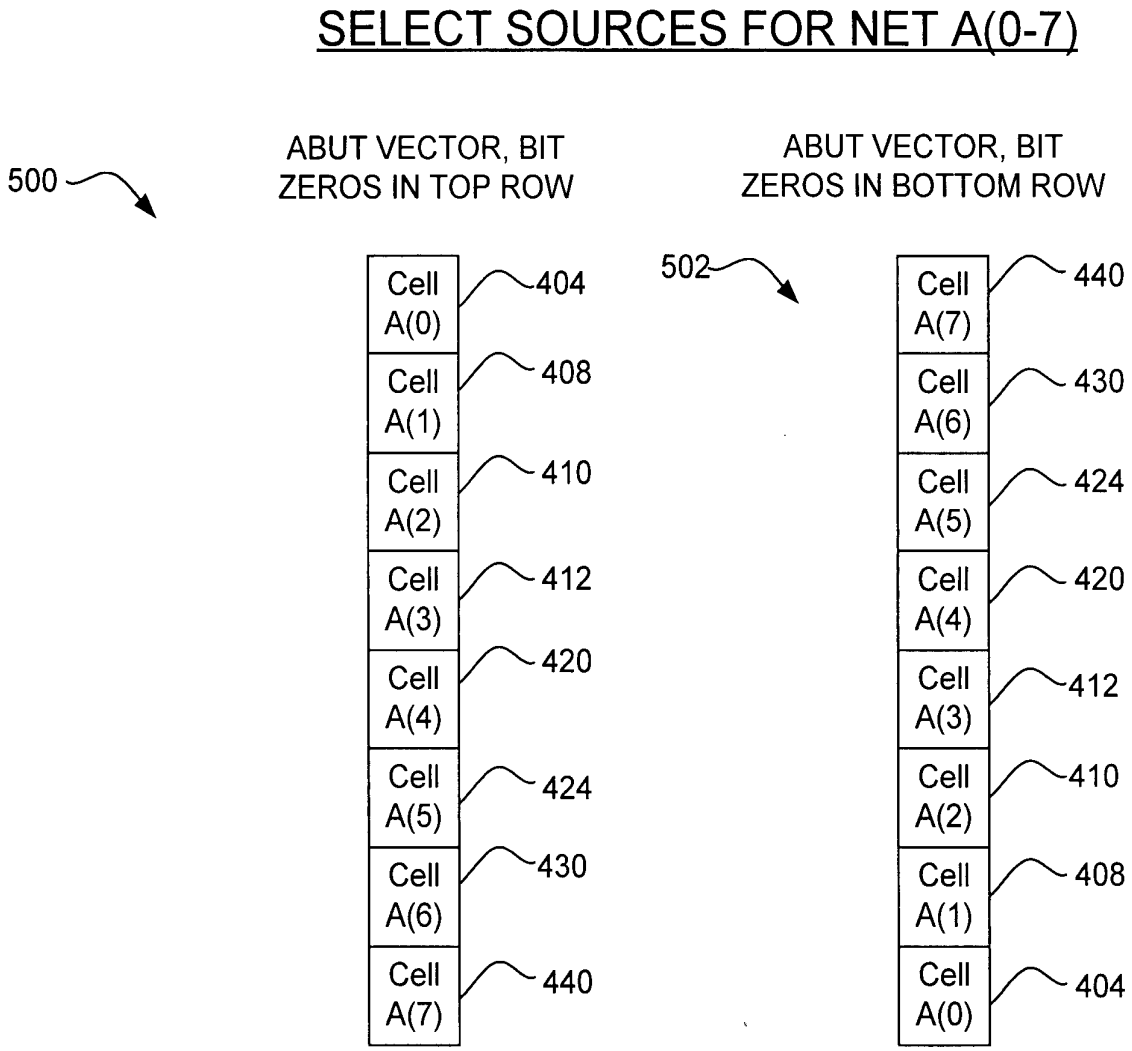
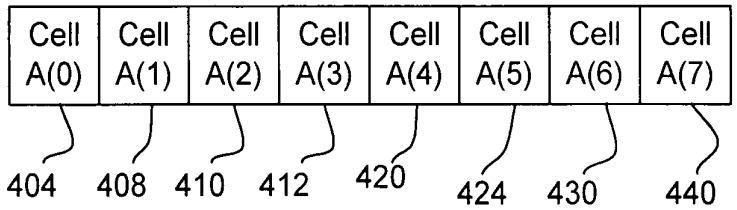

SELECT SOURCES FOR NET A(0-7)
500
ABUT VECTOR, BIT ZEROS IN TOP ROW
Cell A(0)
Cell A(1)
Cell A(2)
Cell A(3)
Cell A(4)
Cell A(5)
Cell A(6)
Cell A(7)
404
408
410
412
420
424
430
440
502
ABUT VECTOR, BIT ZEROS IN BOTTOM ROW
Cell A(7)
Cell A(6)
Cell A(5)
Cell A(4)
Cell A(3)
Cell A(2)
Cell A(1)
Cell A(0)
440
430
424
420
412
410
408
404

FIG. 18

SELECT SOURCES FOR NET A(0-7)

ABUT VECTOR, BIT ZEROS IN LEFT COLUMN

510



ABUT VECTOR, BIT ZEROS IN RIGHT COLUMN

512

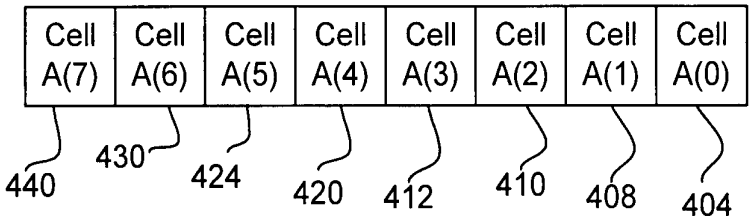


FIG. 19